

STEREO MOC Status Report
Time Period: 2014:062 - 2014:068

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 065, during the DSS-43 support, turbo decoder lock was lost briefly at 2247z. This anomaly resulted in the loss of five frames of SSR data.
- On day 067, during the DSS-55 support, turbo decoder lock was lost briefly at 1207z and again at 1327z. These anomalies resulted in the loss of 40 frames of SSR data.
- On day 068, during the DSS-45 support, turbo decoder lock was lost briefly at 2355z and again at 069-0037z. These anomalies resulted in the loss of two frames of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 065, the SSR science partitions filled as follows: SWAVES (Part 13) remained 100% full at 2238z for 0.5 hours.
- The average daily SSR playback volume for Ahead was 3.2 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 063, during the DSS-55 support, turbo decoder lock was lost briefly at 1730z. This anomaly resulted in the loss of one frame of SSR data.
- On day 065, during the DSS-26 support, initial telemetry lock was established 0.2 hours late at 2050z due to the Automated Link Build at the station not being able to configure for the support. Once the issue was corrected and the downlink established, all SSR pointers were

repositioned to avoid data loss. See DR #G114762 for more information.

- On day 066, during the DSS-55 support, turbo decoder lock was lost intermittently between 1512z and 1513z. All SSR pointers were repositioned to recover the 333 frames of lost data. See DR# M107836 for more information.

Later during the track, turbo decoder lock was lost briefly at 1644z. This anomaly resulted in the loss of one frame of SSR data.

- On day 068, during the DSS-25 support, initial telemetry lock was established 0.6 hours late at 1838z due to the Automated Link Build at the station not being able to configure for the support. Once the issue was corrected and the downlink established, all SSR pointers were repositioned to avoid data loss. See DR #G114779 for more information.

2. The following spacecraft/instrument events occurred during this week:

- Between 068-0333z and 069-1334z the spacecraft began dropping fine-pointing lock intermittently. Reaction wheels 3 and 4 were both operating at low speeds during this time period and there are known bearing lubrication issues when the wheels operate in low speed regions. The G&C lead is investigating.
- The average daily SSR playback volume for Behind was 3.8 Gbits during this week.